

IN THE CLAIMS

1 (Currently Amended). A wireless device comprising:

a housing;

a substantially radiation transmissive button displaceable relative to said housing;

and

a fingerprint sensor to capture an image of a fingerprint when the user's finger is positioned over the button;

a light source adapted to direct light through said button; and

an optical system to receive light reflected from the user's finger over said button, said sensor, said light source, and said optical system adapted to move with said button relative to said housing.

2 (Currently Amended). The device of claim 1 wherein said device is a remote control ~~sensor is adapted to move with said button.~~

3 (Currently Amended). The device of claim 1 wherein said device includes a wireless transceiver within said housing ~~2 further including a light source adapted to direct light through said button, an optical system for receiving light reflected from the user's finger over the mouse button and a sensor, all of said elements adapted to move with said button.~~

4 (Currently Amended). A method comprising:
providing a wireless device having a substantially radiation transmissive button and a housing such that said button is moveable relative to said housing; and
capturing information about the user's fingerprint when the user's finger is situated over said button by directing a light beam through said mouse button so that said light may be reflected by the user's finger and detected within said device;
providing a sensor that produces an image of said user's fingerprint and transmits that image from the device to a host computer; and
mounting said sensor to move with said button.

5 (Original). The method of claim 4 wherein capturing an image includes directing a light beam through said button, so that said light may be reflected by the user's finger and detected within said device.

Claims 6 and 7 (Canceled).

8 (Currently Amended). The method of claim 4 including determining a the time of ~~when the button operation was operated.~~

9 (Original). The method of claim 8 further including storing a channel being displayed on a television receiver when said button was operated.

10 (Currently Amended). The method of claim 4 including determining the nature of a user selection by coordinating a the time when the user activates the a button, and the program currently being displayed on a television receiver.

11 (Original). The method of claim 4 including using said captured information to authenticate a particular user.

12 (Original). The method of claim 11 including identifying a particular user using said captured information and determining whether the user is authorized to initiate a desired transaction.

13 (Original). The method of claim 4 including determining whether to enable a user to make a purchase of a product currently being displayed on a television receiver.

14 (Original). The method of claim 4 including determining whether to enable a user to purchase a pay-per-view television program currently being displayed on a television receiver.

15 (Original). The method of claim 4 including encrypting said information and transferring said information to a host computer.

16 (Original). The method of claim 15 including transferring said information using a wireless protocol.

Claims 17-24 (Canceled).

25 (Currently Amended). A processor-based system comprising:
a processor;
a memory coupled to said processor; and
a wireless device coupled to said processor via a wireless link, said device to capture ~~captures~~ information about an image of ~~a~~ the user's fingerprint when the user's finger is positioned over the device, said device including a substantially radiation transmissive button, a source of illumination which is directed at the button, and an image sensor arranged to detect light from the source when the user's finger is positioned over the button, wherein said sensor is mounted to move with said button.

26 (Original). The system of claim 25 wherein said device includes an imaging sensor and a depressible button, said sensor is adapted to move with said button.

Claim 27 (Canceled).

28 (Original). The system of claim 25 wherein said memory stores instructions that enable said processor to determine the identity of the person who operated said wireless device.

29 (Currently Amended). The system of claim 25 wherein said memory stores instructions that enable the processor to determine a the time of operation of ~~when~~ said wireless device ~~was operated~~.

30 (Currently Amended). The system of claim 25 including a television receiver coupled to said processor, said memory storing instructions that enable the processor to store channels being displayed on the television receiver in response to operation of ~~when~~ said wireless device ~~was operated~~.